

PRODUCT DATA SHEET

Sikaplan® Metal PVC

METAL SHEETS AND COILS LAMINATED WITH SIKAPLAN® PVC ROOFING MEMBRANE

DESCRIPTION

Sikaplan® Metal PVC is a galvanised steel sheet laminated with 0,8 mm Sikaplan® S Polyvinyl chloride (PVC) roof waterproofing membrane.

USES

Production of profiles for perimeter flashing, junctions, fastening and anchorage.

- Sikaplan® PVC roof waterproofing membrane systems.

CHARACTERISTICS / ADVANTAGES

- Resistant to UV exposure
- Can be cut and shaped either on site or in metal workshop
- Sikaplan® S lamination is hot air weldable

PRODUCT INFORMATION

Composition

Top layer:	polyvinyl chloride (PVC)
Bottom layer:	galvanised steel (quality DX51D Z275), additionally coated with grey lacquer

Packaging

Sikaplan® Metal Sheet

packing unit	30 sheets per pallet	30 sheets per pallet
length	2,00m	3,00 m
width	1,00 m	1,00 m
weight	5,70 kg/m ² (+/- 8 %)	5,70 kg/m ² (+/- 8 %)
weight per sheet	11,40 kg (+/- 8 %)	17,10 kg (+/- 8 %)

Sikaplan® Metal Sheet Coil

packing unit	1 coil per pallet	4 coils per pallet
length	300,00 m	30,00 m
width	1,00 m	1,00 m
weight	5,70 kg/m ² (+/- 8 %)	5,70 kg/m ² (+/- 8 %)
weight per coil	1710,00 kg (+/- 8 %)	171,00 kg (+/- 8 %)

Please contact our customer service, for information of what packaging sizes are sold in Denmark.

Appearance / Colour**Colour:**

Top surface:	light grey, slate grey
Bottom surface:	grey

Please contact our customer service, for information of which colors are sold in Denmark.

Shelf life

5 years from date of production.

Storage conditions

Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +30 °C. Store in a horizontal position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.

Thickness

Sikaplan® lamination	0,80 mm (-0,040 mm / +0,080 mm)
Galvanised metal	0,60 mm (+/- 0,060 mm)

Effective Thickness

1,40 mm (-0,100 / +0,140 mm)

SYSTEMS**System Structure**

The following products must be considered for use depending on roof design:
 Sikaplan® G / VG / VGWT
 Sikaplan® S
 Sikaplan® SG
 Sikaplan® SGK
 Sikaplan® SgmA
 Sikaplan® 18 D

Compatibility

Top surface PVC lamination is not resistant to tar, bitumen, oil and materials containing solvents. These materials could adversely affect the product properties.

APPLICATION INFORMATION**Ambient Air Temperature**

-20 °C min. / +60 °C max.

Substrate Temperature

-30 °C min. / +60 °C max.

APPLICATION INSTRUCTIONS**APPLICATION METHOD / TOOLS**

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

Processing Tools

The cutting tools must be sharp to provide a precise edge. When folding Sikaplan® Metal PVC sheets or coils to the required profiled shape, the bending radius must be 3 times the flashing thickness. Excessive edge pressure could damage the lamination.

Fixing

Secure the Sikaplan® Metal PVC sheet or coil at the minimum fixing distances in accordance with the local specified design requirements.

Jointing

The Sikaplan® Metal PVC sheet or coil must be positioned and fixed maintaining a gap of at least 3 mm to 5 mm at the butt ends as expansion opening. A self adhesive tape in width of 30 mm to 40 mm shall be

applied over the expansion opening to cover each profile end. Each side of the joint shall then be waterproofed by welding of an unreinforced PVC sheet strip in width of 100 mm, prior to the installation of Sikaplan® PVC roof waterproofing area.

IMPORTANT CONSIDERATIONS

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application

- Ensure Sikaplan® Metal PVC sheets and coils are prevented from direct contact with incompatible materials (refer to compatibility section)
- The use of Sikaplan® Metal PVC is limited to geographical locations with average monthly minimum temperatures of -30 °C Permanent ambient temperature during use is limited to +50 °C
- The use of some ancillary products such as adhesives, cleaners and solvents is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets
- Special measures may be compulsory for installation

PRODUCT DATA SHEET

Sikaplan® Metal PVC
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below +5 °C ambient temperature due to safety requirements in accordance with national regulations

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

Fresh air ventilation must be ensured, when working (welding) in closed rooms.

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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